

*file Special Space*

4 JAN 1984

MEMORANDUM FOR: Chief, New Building Planning Office,  
Office of Logistics

FROM:  Chief, Safety Staff, DDA

SUBJECT: Addition to Headquarters Building

1. In response to issues discussed at the December 6-7 meeting with the new building project A/E firm, the following guidance should be incorporated into the design documents:

a. NFPA No. 45, Section 6-6.9 specifies that exhaust ducts from each laboratory unit shall be separately ducted to a point outside the building, to a mechanical space, or to a shaft. Connection to a common duct system may occur at these points. Exhaust ducts from laboratory hoods and other special exhaust systems within the same laboratory unit may be combined within that laboratory unit.

b. NFPA No. 45, Section A-6-8.7 recommends that exhaust stacks for laboratory hoods should extend at least 7 feet above the roof to protect personnel on the roof. Exhaust stacks may need to be much higher to dissipate effluent effectively and studies may be necessary to determine adequate design.

c. The location of the water supply lines for the fire protection systems has been investigated by the Safety Staff and the GSA plumbing shop. No information could be found that would support the A/E's representation of the waterline layout. A drawing showing the existing locations of these waterlines has been forwarded to the A/E via NBPO in order to make the necessary changes.

d. The requirements for the proper shielding of the proposed  workroom has been previously forwarded to NBPO by TSD/OS.

2. If additional information is required, please contact the Safety Staff